

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DE2004/002479

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	B23K26/00	B23K26/40	B23K26/42	B23K26/18	D06M10/00
	B60R21/20	B29C59/00			

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7	B23K	D06M	B60R	B29C
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^o	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 611 564 A (BAUER ET AL) 18 March 1997 (1997-03-18) cited in the application the whole document	1-6,8-13
A	-----	7
X	EP 0 711 627 A (TIP ENGINEERING GROUP, INC) 15 May 1996 (1996-05-15) cited in the application	1-6,8-13
A	column 9, line 35 - column 9, line 40; figures 11,12	7
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 22, 9 March 2001 (2001-03-09) & JP 2001 138081 A (OKUMURA MITSURU; KAWAI KIYOSHI), 22 May 2001 (2001-05-22) abstract	1-13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

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- "E" earlier document but published on or after the international filing date
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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

8 April 2005

15/04/2005

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Information on patent family members

International Application No
PCT/DE2004/002479

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
US 5611564	A 18-03-1997	CA 2130374	A1 19-02-1995		
		EP 0639481	A1 22-02-1995		
		JP 7179161	A 18-07-1995		
		US 2001010423	A1 02-08-2001		
EP 0711627	A 15-05-1996	US 5744776	A 28-04-1998		
		CA 2145450	A1 01-05-1996		
		DE 29522423	U1 18-06-2003		
		DE 69517918	D1 17-08-2000		
		DE 69517918	T2 18-01-2001		
		DE 711627	T1 30-12-1999		
		EP 0711627	A2 15-05-1996		
		EP 0963806	A1 15-12-1999		
		JP 8282420	A 29-10-1996		
		US 6294124	B1 25-09-2001		
		US 2003107203	A1 12-06-2003		
		US 6267918	B1 31-07-2001		
		US 2001010423	A1 02-08-2001		
JP 2001138081	A 22-05-2001	NONE			